C. Stroup

7 SK

8/08/00

1633

RAW SEQUENCE LISTING DATE: 07/07/2000
PATENT APPLICATION: US/09/455,630 TIME: 08:23:51

Input Set : A:\20076.txt
Output Set: N:\CRF3\07072000\I455630.raw

ENTERED

<110> APPLICANT: Qingyun, Liu
McDonald, Terrence P.
Bailey, Wendy J.
Davidoff, Michael J.

<120> TITLE OF INVENTION: G-Protein Coupled Receptor HG31, Polynucleotides Encoding the Receptor and Uses Thereof

<130> FILE REFERENCE: 20076

<140> CURRENT APPLICATION NUMBER: 09/455,630

<141> CURRENT FILING DATE: 1999-12-07

<150> PRIOR APPLICATION NUMBER: 60/111,432

<151> PRIOR FILING DATE: 1998-12-08

<160> NUMBER OF SEQ ID NOS: 10

<170> SOFTWARE: FastSEQ for Windows Version 4.0

<210> SEQ ID NO: 1

<211> LENGTH: 1790

<212> TYPE: DNA

<213> ORGANISM: Homo Sapiens

<400> SEQUENCE: 1

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Input Set : A:\20076.txt
Output Set: N:\CRF3\07072000\I455630.raw

60 ataaacaaaa atggtcataa gatcataaac aatcttatgt tgtataaaag 1790
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63 <211> LENGTH: 420
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo Sapiens
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68 Met Asn Glu Lys Trp Asp Thr Asn Ser Ser Glu Asn Trp His Pro Ile
69 1 5 10 15
70 Trp Asn Val Asn Asp Thr Lys His His Leu Tyr Ser Asp Ile Asn Ile
71 20 25 30
72 Thr Tyr Val Asn Tyr Tyr Leu His Gln Pro Gln Val Ala Ala Ile Phe
73 35 40 45
74 Ile Ile Ser Tyr Phe Leu Ile Phe Phe Leu Cys Met Met Gly Asn Thr
75 50 55 60
76 Val Val Cys Phe Ile Val Met Arg Asn Lys His Met His Thr Val Thr
77 65 70 75 80
78 Asn Leu Phe Ile Leu Asn Leu Ala Ile Ser Asp Leu Leu Val Gly Ile
79 85 90 95
80 Phe Cys Met Pro Ile Thr Leu Leu Asp Asn Ile Ile Ala Gly Trp Pro
81 100 105 110
82 Phe Gly Asn Thr Met Cys Lys Ile Ser Gly Leu Val Gln Gly Ile Ser
83 115 120 125
84 Val Ala Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Asp Arg Phe
85 130 135 140
86 Gln Cys Val Val Tyr Pro Phe Lys Pro Lys Leu Thr Ile Lys Thr Ala
87 145 150 155 160
88 Phe Val Ile Ile Met Ile Ile Trp Val Leu Ala Ile Thr Ile Met Ser
89 165 170 175
90 Pro Ser Ala Val Met Leu His Val Gln Glu Glu Lys Tyr Tyr Arg Val
91 180 185 190
92 Arg Leu Asn Ser Gln Asn Lys Thr Ser Pro Val Tyr Trp Cys Arg Glu
93 195 200 205
94 Asp Trp Pro Asn Gln Glu Met Arg Lys Ile Tyr Thr Thr Val Leu Phe
95 210 215 220
96 Ala Asn Ile Tyr Leu Ala Pro Leu Ser Leu Ile Val Ile Met Tyr Gly
97 225 230 235 240
98 Arg Ile Gly Ile Ser Leu Phe Arg Ala Ala Val Pro His Thr Gly Arg
99 245 250 255
100 Lys Asn Gln Glu Gln Trp His Val Val Ser Arg Lys Lys Gln Lys Ile
101 260 265 270
102 Ile Lys Met Leu Leu Ile Val Ala Leu Leu Phe Ile Leu Ser Trp Leu
103 275 280 285
104 Pro Leu Trp Thr Leu Met Met Leu Ser Asp Tyr Ala Asp Leu Ser Pro
105 290 295 300
106 Asn Glu Leu Gln Ile Ile Asn Ile Tyr Ile Tyr Pro Phe Ala His Trp
107 305 310 315 320
108 Leu Ala Phe Gly Asn Ser Ser Val Asn Pro Ile Ile Tyr Gly Phe Phe
109 325 330 335
110 Asn Glu Asn Phe Arg Arg Gly Phe Gln Glu Ala Phe Gln Leu Gln Leu

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111             340                 345                 350
112 Cys Gln Lys Arg Ala Lys Pro Met Glu Ala Tyr Ala Leu Lys Ala Lys
113         355                 360                 365
114 Ser His Val Leu Ile Asn Thr Ser Asn Gln Leu Val Gln Glu Ser Thr
115     370                 375                 380
116 Phe Gln Asn Pro His Gly Glu Thr Leu Leu Tyr Arg Lys Ser Ala Glu
117 385                 390                 395                 400
118 Lys Pro Gln Gln Glu Leu Val Met Glu Glu Leu Lys Glu Thr Thr Asn
119                 405                 410                 415
120 Ser Ser Glu Ile
121             420
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 23
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo Sapiens
128 <400> SEQUENCE: 3
129 tctgtcgcag cttcagtctt tac                                          23
131 <210> SEQ ID NO: 4
132 <211> LENGTH: 23
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo Sapiens
136 <400> SEQUENCE: 4
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139 <210> SEQ ID NO: 5
140 <211> LENGTH: 22
141 <212> TYPE: DNA
142 <213> ORGANISM: Homo Sapiens
144 <400> SEQUENCE: 5
145 acgctgtctt gatagtgagc tt                                          22
147 <210> SEQ ID NO: 6
148 <211> LENGTH: 24
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo Sapiens
152 <400> SEQUENCE: 6
153 tgcaactaac gtaaagactg aagc                                        24
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 21
157 <212> TYPE: DNA
158 <213> ORGANISM: Homo Sapiens
160 <400> SEQUENCE: 7
161 ctctgcccac ctcttctctt c                                           21
163 <210> SEQ ID NO: 8
164 <211> LENGTH: 23
165 <212> TYPE: DNA
166 <213> ORGANISM: Homo Sapiens
168 <400> SEQUENCE: 8
169 agagagggct ttcagtaaat gtt                                         23
171 <210> SEQ ID NO: 9
172 <211> LENGTH: 20
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Input Set : A:\20076.txt
Output Set: N:\CRF3\07072000\I455630.raw

173 <212> TYPE: DNA
174 <213> ORGANISM: Homo Sapiens
176 <400> SEQUENCE: 9
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179 <210> SEQ ID NO: 10
180 <211> LENGTH: 25
181 <212> TYPE: DNA
182 <213> ORGANISM: Homo Sapiens
184 <400> SEQUENCE: 10
185 cccaggcttt acactttatg cttcc 25

VERIFICATION SUMMARY DATE: 07/07/2000
PATENT APPLICATION: US/09/455,630 TIME: 08:23:52

Input Set : A:\20076.txt
Output Set: N:\CRF3\07072000\I455630.raw